

Title (en)

CALIBRATING RADARS AND TRACKING SPACE OBJECTS

Title (de)

KALIBRIEREN VON RADARGERÄTEN UND VERFOLGEN VON WELTRAUMOBJEKTEN

Title (fr)

ÉTALONNAGE DE RADARS ET SUIVI D'OBJETS DANS L'ESPACE

Publication

**EP 4042183 A1 20220817 (EN)**

Application

**EP 20800458 A 20201011**

Priority

- US 201962914304 P 20191011
- US 2020055179 W 20201011

Abstract (en)

[origin: WO2021072347A1] Technologies for calibrating radars and tracking space objects. Some of such technologies enable a technique for calibrating a radar based on using -A- an elemental antenna (308), which can be embedded on a housing hosting a set of antenna elements, or -B- an antenna (146) mounted to a reflector. Some of such technologies enable a radar site containing a first 1 D phased array (112) and a second 1 D phased array (112), where the first 1 D phased array sends a set of signals and receives a set of reflections based on the set of signals, and the second 1 D phased array receives the set of reflections.

IPC 8 full level

**G01S 7/40** (2006.01); **G01S 13/02** (2006.01); **G01S 13/72** (2006.01); **G01S 13/88** (2006.01); **H01Q 3/26** (2006.01); **H01Q 19/17** (2006.01)

CPC (source: EP KR US)

**G01S 7/40** (2013.01 - US); **G01S 7/4017** (2013.01 - EP KR); **G01S 7/4026** (2013.01 - EP KR); **G01S 13/06** (2013.01 - US); **G01S 13/72** (2013.01 - US); **G01S 13/726** (2013.01 - EP KR); **G01S 13/88** (2013.01 - EP KR); **H01Q 3/267** (2013.01 - EP KR US); **H01Q 3/30** (2013.01 - US); **H01Q 19/175** (2013.01 - EP KR US); **G01S 2013/0245** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2021072348A1

Designated contracting state (EPC)

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BA ME

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**US 2020055177 W 20201011**; AU 2020361695 A 20201011; AU 2020364169 A 20201011; CA 3151077 A 20201011; CA 3151079 A 20201011; EP 20800457 A 20201011; EP 20800458 A 20201011; JP 2022521492 A 20201011; JP 2022521572 A 20201011; KR 20227011643 A 20201011; KR 20227011861 A 20201011; US 2020055179 W 20201011; US 202017767147 A 20201011; US 202017767209 A 20201011